

**Office Action Summary**

Application No.

09/697,518

Applicant(s)

SANDHU ET AL.

Examiner

DANH C LE

Art Unit

2683

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 19 February 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

**1. Claims 1- 3, 5-9 are rejected under 35 U.S.C. 102(a) as being anticipated by**

**Tagi (US 6,473,790).**

**As to claim 1**, Tagi teaches mobile control apparatus (figure 9, col.11, lines 45- col.13, line 14), comprising:

a position circuit (112) for receiving ranging signals over a first wireless link from a positioning system and for providing a position of said mobile position apparatus;

a communication interface (118) for maintaining a wireless link for communicating with a server on a wide area network, said server being integrated with an enterprise resource planning system (142);

a peripheral interface (119) to a peripheral device, said interface provided to transfer control information between said peripheral device and said mobile control apparatus;

a controller (11) for executing a program that (1) control operations of said position circuit, said communication interface, and said peripheral interface; and (2) transfers said position and said control information to said server as input to said enterprise resource planning system (142); and a memory (116) for storing said program .

As to claim 2, Tagi teaches a mobile control apparatus as in Claim 1, wherein said communication interface comprises a modem capable of operating in a cellular telephone system (col.11, lines 45- col.13, line 14).

As to claim 3, Tagi teaches a mobile control apparatus as in Claim 1, wherein said position circuit comprises a down-converter for a global position system (GPS, 112).

As to claim 5, Tagi teaches a mobile control apparatus as in Claim 1, wherein said peripheral interface comprises an industry standard bus interface (col.11, lines 45- col.13, line 14).

As to claim 6, Tagi teaches a mobile control apparatus as in Claim 1, wherein said memory comprises a non-volatile portion and a volatile portion (col.11, lines 45- col.13, line 14).

As to claim 7, Tagi teaches a mobile control apparatus as in Claim 1, wherein said position circuit comprises a radio frequency front-end circuit and a signal processing circuit (col.11, lines 45- col.13, line 14).

As to claim 8, Tagi teaches the mobile control apparatus as in Claim 7, wherein said radio frequency front-end circuit and said signal processing circuit are provided as application-specific integrated circuits (col.11, lines 45- col.13, line 14).

As to claim 9, Tagi teaches the mobile control apparatus as in Claim 8, wherein said controller comprises a general-purpose microprocessor (col.11, lines 45- col.13, line 14).

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

**2. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Tagi in view of Fan(US 5,959,577).**

As to claim 4, Tagi teaches a mobile control apparatus as in Claim 1, wherein said position circuit determines said position based on GPS. Tagi fails to teach determines said position based on triangulation of ranging signals (col.3, lines 34-38). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teaching of Fan into the system of Tagi in order to enhance system performance of the network system for serving information to the mobile terminal apparatus which obtains the measured position of the receiver.

***Response to Arguments***

Applicant's arguments with respect to claims 1-9 have been considered but are moot in view of the new ground(s) of rejection.

***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

A. Morse et al (US 6,609,004) teaches the communication management system for personalized mobility management of wireless services and method therefore.

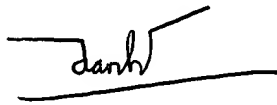
Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to DANH C LE whose telephone number is 703-306-0542. The examiner can normally be reached on 8:00AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, WILLIAM TROST can be reached on 703-308-5318. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Danh C.Le



WILLIAM TROST  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600